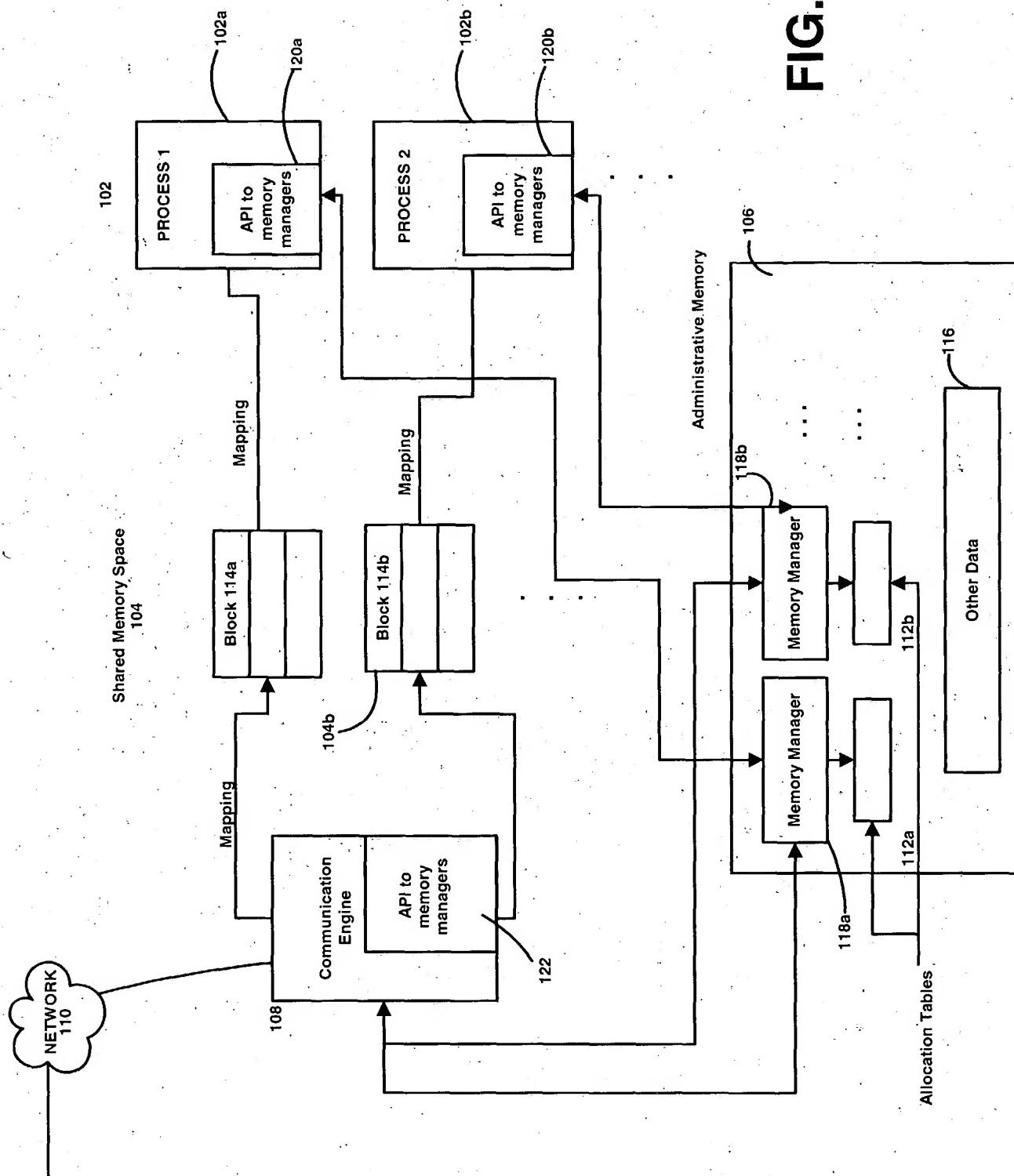


(PRIOR ART)

**FIG. 1**

**FIG. 2**



```

//this code registers the application using a unique identifying value and
//supplying a callback structure. Underneath the api creates the communication
//infrastructure and shared memory for caching
//this may only be done once within the application

Dc.RegisterSMPQ(bAppReg, //app id
    &MessageCallBackHandler //callback functions
);

//this code creates a session with more or more remote computers. It sets the priority of the
//session, a debug string, timeouts and other various parameters
//a session can be created with N computers

hr = Dc.CreateSession(&pSess, //out param that will receive the session object
    eSESSION_NORMAL_PRI, //session weighted priority
    FALSE, //have the infrastructure periodically check the session liveness
    L"3a047c3f-49da-4aa2-9ec9-a88d1a8bc2b4",
    2500, //timeout for the session creation
    dwSReg, //dwRemoteComputerNameList, //list of computers, and their quotas
    1, //number of computer names in the RemoteComputerNameList
    &vcResponse //what happened when trying to create the session
);

//Create a file message instead of a normal message

De.CreateFileMessage(&pFileMsg,
    pSess,
    TRUE);

// build the file name of the source file

wscpy(szFileName, L"c:\TransferFrom\trans");
wscat(szFileName, _itow(i, szBuffer, 10));
wscat(szFileName, L".txt");

//set the file name

pFileMsg->SetLocalPathAndFilename(szFileName);

//build the file name for the destination path (on a remote box)

wscpy(szFileName, L"c:\TransferTo\file");
wscat(szFileName, _itow(i, szBuffer, 10));

//set file name data (application can define and use any format it wishes)
//to send data pertinent for recreation on the remote process

pFileMsg->SetData(szFileName, (wslen(szFileName) * 2), FALSE, FALSE);

//at this call the system will call back into the application asking
//for fixed sized chunks of data, using the messaging system
//to cache the data to go out through the communication channel.

Dc.Send(pFileMsg, INFINITE, unicast, SYNCHRONOUS, pResponseMsg);
delete pFileMsg;

//the message object can be recycled if the application wishes
//(sending a file (whether 1 byte or N gigabytes) is straightforward, chunking and multiplexing
//the //data may be handled by the messaging system:
//this line of code registers the application using their unique identifying value and
//supplying a callback structure. Underneath the api creates the communication
//infrastructure and shared memory for caching
//this may only be done once within the application

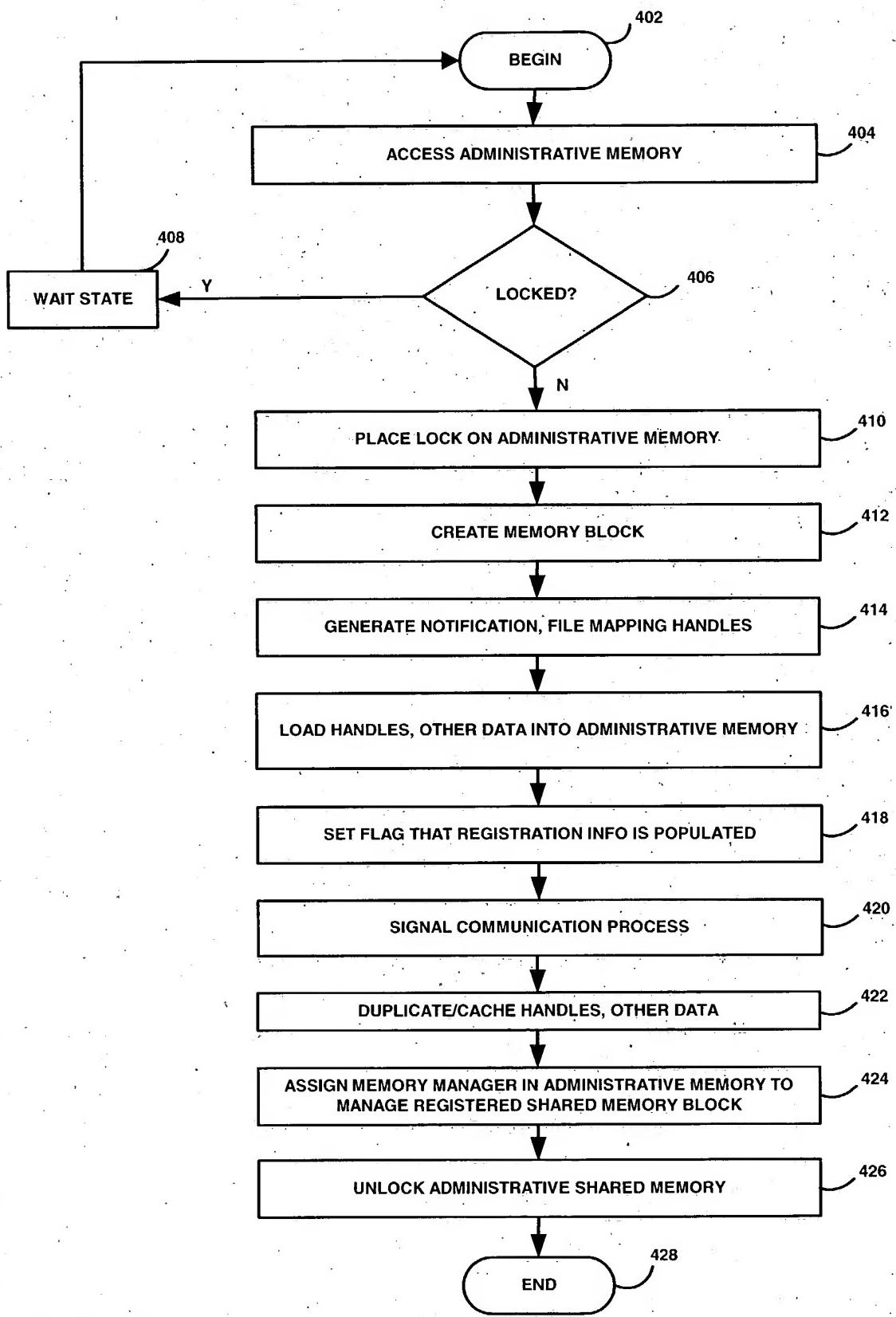
Dc.RegisterSMPQ(bAppReg, //app id
    &MessageCallBackHandler //callback functions
);

//this code creates a session with more or more remote computers. It sets the priority of the
//session, a debug string, timeouts and other various params
//a session can be created with N computers

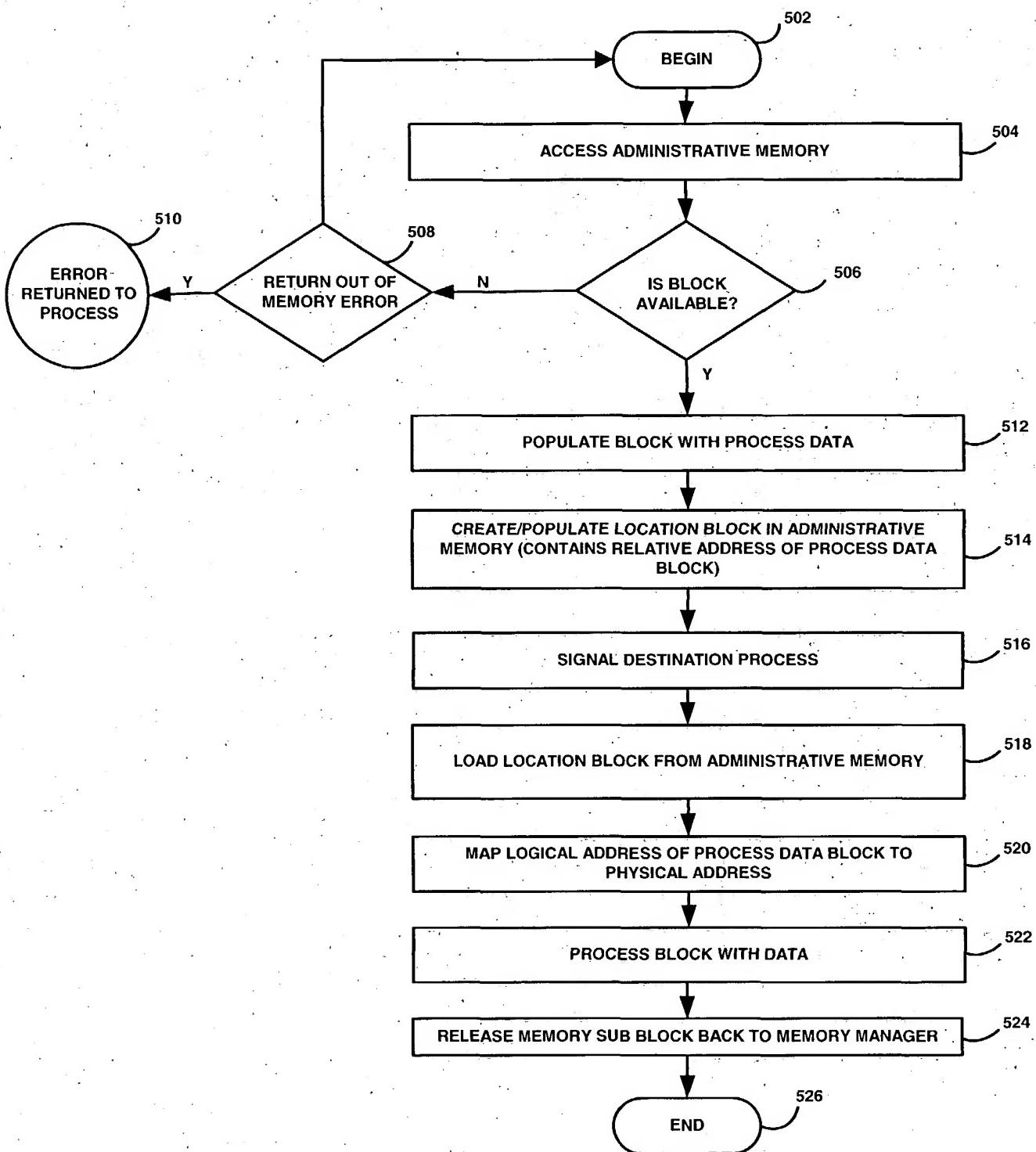
hr = Dc.CreateSession(&pSess, //out param that will receive the session object
    eSESSION_NORMAL_PRI, //session weighted priority
    FALSE, //have the infrastructure periodically check the session liveness
    L"3a047c3f-49da-4aa2-9ec9-a88d1a8bc2b4",
    2500, //timeout for the session creation
    dwSReg, //dwRemoteComputerNameList, //list of computers, and their quotas
    1, //number of computer names in the RemoteComputerNameList
    &vcResponse //what happened when trying to create the session
);

```

# FIG. 3



**FIG. 4**



**FIG. 5**